

The present invention proposal relates to complex compositions of a certain type prepared from products having multiple complementary and synergistic actions: energizing action, comforting action, immunostimulatory action, antialcoholic (neuro-hepato-protecting) action, anti-mutagenic action, sexual-appetite-stimulating action, infarction-preventing action, but above all anti-cancer action.

Certain tonic wines prepared, for example, in pharmacies, and similarly fruit juices or natural plant extracts containing vitamins or trace elements, also attempt to satisfy the need to obtain certain preparations having genuine sanogenic action.

The aim of the present invention proposal is to improve all these preparations known to date by using certain novel components having broader and much more effective sanogenic activity, most particularly via their preventive and even curative anti-cancer action, in the case of nascent neoplasias.

These components have not only a complementary, but also synergistic action. These complex sanogenic compositions can be most conveniently administered in the form of a very wide variety of certain dietetic preparations: drinks, creams, sweets, biscuits, sticks, yoghurts, white chocolate, effervescent tablets, thus excellent and pleasant means for facilitating broad access to generalized consumption.

Thus, we are not currently aware of the existence of an alcohol-free drink having such pleasant organoleptic qualities and simultaneously endowed with above-mentioned sanogenic qualities, primarily having multiple anti-cancer activity of undeniable intensity.

It is commonly known that humans are constantly exposed to the action of certain physical, mutagenic, gerontogenic and carcinogenic agents, and also that these effects are gradually increasing in pace with the changes in human society.

Consequently, we consider it particularly useful to attempt to make every effort to combat these adverse effects via the regular consumption of certain dietetic preparations, starting with these complex sanogenic compositions that form the subject-matter of the present invention proposal.

These compositions are mainly characterized by the presence in their constitution of the following components:

1. a certain proportion of energizing and comforting products;

2. a certain proportion of non-specific immunostimulators;
3. a certain proportion of products which prevent cell mutations;
4. a certain proportion of products which prevent the multiplication of cells that have undergone mutations, thus avoiding their evolution towards clones and tumours;
5. a certain proportion of products which cause the reversion (differentiation) of cancer cells into normal cells (reversers);
6. a certain proportion of products which afford certain organoleptic qualities.

For each of these six groups of components mentioned, we have chosen the most representative and most suitable prototypes for which the adverse effects, if any, are liable to be exhibited only in the case of consumption several times higher than the amounts usually consumed.

The recommended daily consumption is approximately 100 ml to 100 ml per day for five days per week, naturally taking into account the needs and weight of the consumer. For individuals most particularly exposed to mutagenic and carcinogenic noxious agents, the concentration of active substances in the preparations may be doubled or even tripled ("STRONG" preparations).

It is also pointed out that the drink (of the preparation) is maintained in the preserved state (aseptic) by pasteurization or by passing through filters whose pore diameter does not exceed 1 - 1.5 microns.

In order to have a very positive influence on the organoleptic properties of the dietetic preparations, certain components are used in the form of original polyalcoholic or polycarboxylic esters. The chemical and biological compatibility of the components have both been taken into account.

Experimental investigations were performed on animals and subsequently also on man, which clearly confirmed the multiple sanogenic and anti-cancer effects of the proposed compositions. Certain components, for instance choline, methionine, ascorbic acid and molybdenum, are used above all for their contribution to the anti-cancer effect, but at the same time for other beneficial effects. They simultaneously afford partial protection of the human body, in the case of alcohol consumption, by virtue of certain known biochemical mechanisms (neutralization of a substantial proportion of the acetaldehyde produced from the metabolism of alcohol in the human body).

An example of a complex sanogenic composition in an amount of 1000 ml is given below:

1	- ASCORBIC ACID	1000 mg
2	- RETINOL CX	80 mg
3	- RETINOIC ACID	8 mg
4	- β -CAROTENE	20 mg
5	- α -TOCOPHEROL (X)	300 mg
6	- VITAMIN f in the form of the sorbitol monoester	300 mg
7	- 1,25-DIHYDROXY-VITAMIN D3	0.005 mg
8	- CHOLINE	180 mg
9	- METHIONINE	140 mg
10	- SARCOSINE	4 mg
11	- FOLIC ACID	10 mg
12	- CYSTEINE (X)	40 mg
13	- ELLAGIC ACID	10 mg
14	- THEA SINENSIS TANNIN	20 mg
15	- RUTIN	40 mg
16	- PLANT ANTHOCYANOSIDES	60 mg
17	- SELENIUM-METHIONINE	2 mg
18	- SODIUM MOLYBDATE	1 mg
19	- POTASSIUM VANADATE	0.5 mg
20	- CALCIUM CARBONATE	40 mg
21	- MAGNESIUM CARBONATE	60 mg
22	- ZINC OXIDE	10 mg
23	- MANGANESE GLUCONATE	25 mg
24	- COPPER GLUCONATE	10 mg
25	- CHROMIUM-PROTEIN COMPLEX (or CHROMIUM PROTEINATE)	2 mg
26	- POTASSIUM FLUORIDE	6 mg
27	- POTASSIUM IODIDE	1.5 mg
28	- SWEETENER (ASPARTAME) and FLAVOURINGS	47 000 mg
29	- CARBON DIOXIDE	3 000 mg
30	- EXTRA-PURE DRINKING WATER	950 ml

The substances marked with an (X) are used in the composition of certain dietetic preparations in the form of monoesters of certain physiological polyalcohols and polyacids in order to ensure their solubility in water or the enhancement of certain organoleptic properties.

Similar compositions that contain substances of the same class (group) or that have the same sanogenic actions, intended for the same purposes, fall within the scope of the present patent.

Table of components present in our sanogenic compositions with their quantitative values (doses) permitted daily per kg/body.

	Usual daily consumption	Recommended normal limits
ASCORBIC ACID	9.57 mg	142.85 mg
RETINOL	0.28 mg	3.00 mg
RETINOIC ACID	0.028 mg	0.85 mg
β -CAROTENE	0.00714 mg	0.43 mg
α -TOCOPHEROL	1.071 mg	34.28 mg
VITAMIN F	1.071 mg	25.00 mg
1,25-DIHYDROXY-VITAMIN D3	0.0000178 mg	0.0080 mg
CHOLINE	0.6428 mg	7.00 mg
METHIONINE	0.5 mg	71.42 mg
SARCOSINE	0.01428 mg	1.20 mg
FOLIC ACID	0.0357 mg	0.72 mg
CYSTEINE	0.1428 mg	2.88 mg
ELLAGIC ACID	0.03571 mg	1.60 mg
TANNIN	0.07142 mg	1.15 mg
RUTIN	0.1428 mg	2.85 mg
ANTHOCYANOSIDES	0.2142 mg	3.00 mg
SELENIUM/in the form of compounds compatible with ascorbic acid	0.007142 mg	0.15 mg
SODIUM MOLYBDATE	0.00357 mg	0.15 mg
POTASSIUM VANADATE	0.001785 mg	0.05 mg
CALCIUM CARBONATE	0.1428 mg	70.00 mg
MAGNESIUM CARBONATE	0.2142 mg	52.00 mg
ZINC OXIDE	0.0357 mg	0.43 mg
MANGANESE GLUCONATE	0.08928 mg	1.07 mg
COPPER GLUCONATE	0.03571 mg	0.85 mg
CHROMIUM PROTEINATE	0.007142 mg	0.16 mg
POTASSIUM FLUORIDE	0.02142 mg	0.37 mg
POTASSIUM IODIDE	0.005357 mg	0.35 mg

A number of biologically active substances included in the proposed sanogenic compositions can also be found in certain plants, which would allow these compositions also to be prepared from plant extracts, to which may be added the components that are lacking or present in insufficient amount.

The amounts (doses) mentioned above may be considered in diverse variants without thereby departing from the scope of the patent, provided of course that certain biologically acceptable limits are respected.

Claims

1. Complex dietetic sanogenic compositions consisting of substances with multiple biological effects:
energizing, comforting, immunostimulatory, anti-mutagenic, anti-cancer, geriatric, sexual-appetite-stimulating, infarction-preventing, antialcoholic, containing in their composition:
ascorbic acid, retinol, retinoic acid, β -carotene, α -tocopherol, vitamin D3, 1,25-dihydroxy-vitamin D3, vitamin F, rutin, anthocyanosides, ellagic acid, tannin, choline, methionine, sarcosine, folic acid, cysteine, bio-assimilable inorganic or organic derivatives of zinc, magnesium, calcium, molybdenum, selenium, chromium, copper, manganese, vanadium, fluorine or iodine, and also other similar components having the same sanogenic actions (certain vitamins, certain organic substances and certain trace elements).
2. Complex dietetic sanogenic compositions according to Claim 1, characterized in that they have substantial energizing, comforting and anti-infarction action, and also stimulating action on certain biological, repair, immune, hormonal, geriatric and sexual functions. The variations in the permitted amounts of bioactive substances used in our compositions per kg/body/day are as follows: ascorbic acid 0.02 - 200 mg, retinol 0.01 - 25 mg, retinoic acid 0.01 - 10 mg, β -carotene 0.01 - 2.50 mg, α -tocopherol 0.01 - 30 mg, vitamin D3 100 - 60 000 I.U., vitamin F 0.01 - 50 mg, methionine 0.005 - 70 mg, anthocyanosides 0.003 - 70 mg, folic acid 0.003 - 1.50 mg, cysteine 0.002 - 3 mg, magnesium 0.001 - 53 mg, calcium 0.01 - 80 mg, molybdenum 0.002 - 4 mg, zinc 0.002 - 0.3 mg, manganese 0.001 - 2 mg, vanadium 0.001 - 0.05 mg, chromium 0.001 - 0.180 mg, copper 0.002 - 0.850 mg, selenium (in the form of compounds compatible with ascorbic acid) 0.001 - 0.15 mg, fluorine 0.001 - 0.35 mg, iodine 0.002 - 0.30 mg.
3. Complex dietetic sanogenic compositions according to Claim 1 or 2, characterized in that products such as 1,25-dihydroxy-vitamin D3 0.0000178 - 0.0080 mg per kg/body/day, sarcosine 0.001 - 1.20 mg per kg/body/day and tannin 0.001 - 1.4 mg per kg/body/day are added and substantially amplify the anti-cancer action of the components already mentioned in Claim 2, via a further provision of inhibition of mutations towards clones and tumours and also via a differentiation (maturation) action of pre-existing cancer cells (reversers).

4. Complex dietetic sanogenic compositions according to Claim 1, 2 or 3, characterized in that the methionine, choline and molybdenum afford substantial hepatic, cellular and biochemical protection against the harmful action of ethyl alcohol.
5. Complex dietetic sanogenic compositions according to Claim 1, 2, 3 or 4, characterized in that certain active substances are used in the form of chemical structures (especially alcoholic or polycarboxylic esters) which afford improved organoleptic qualities and also a large safety margin between the active doses and those at which adverse effects may appear.
6. Complex dietetic sanogenic compositions according to Claim 1, 2, 3, 4 or 5, characterized in that they use the least harmful sweeteners, for instance glucose or aspartame, in amounts which are entirely suitable for affording very pleasant organoleptic properties.
7. Complex dietetic sanogenic compositions according to Claim 1, 2, 3, 4, 5 or 6, characterized in that, for certain dietetic preparations, for instance for drinks, they use food-grade carbon dioxide to the point of saturation.
8. Complex dietetic sanogenic compositions according to Claim 1, 2, 3, 4, 5, 6 or 7, characterized in that they can be presented and used in very diverse dietetic forms: liquids, semi-solids, solids, for example molecular or colloidal drinks, creams, sweets, biscuits, sticks, white chocolate, effervescent tablets.